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Rev. 10/95

U.S. Department of Commerce
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**LIST OF PRIOR ART CITED BY
APPLICANT**

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Sheet	of
1	15

Complete if Known

Application Number

Div. of 09/713.030 10/628, 13

Filing Date

First Named Inventor

Tatu Merilinen

Group Art Unit

Examiner Name

Attorney-Client Privilege

019075-00058

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Date Considered

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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4498/PTO Rev. 10/93		U.S. Department of Commerce Patent and Trademark Office		Complete if Known Application Number <u>62-097733, 030</u> Filing Date <u>10/10/79</u> First Named Inventor <u>Tatu Miettinen</u> Group Art Unit _____ Examiner Name _____ Attorney Docket Number <u>019075-00058</u>	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)					
Sheet	<u>2</u>	of	<u>15</u>		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T ¹
<u>JP</u>		European Journal of Clinical Investigation, Vol. 10, pp. 27-33, (1980), T. Miettinen "Phytosterolemia, Atherosclerosis and Premature Atherosclerotic Arterial Disease: A Case with High Plant Sterol Absorption, Impaired Sterol Elimination and Low Cholesterol Synthesis"	
		Scand. J. Gastroenterol. Vol. 23, pp. 987-972, (1988), K. Niddal, et al. "Serum Cholesterol Precursors, Cholesterol, and Plant Sterols in Primary Biliary Cirrhosis"	
		Z. Klin. Chem. Biochem., Vol. 9, pp. 47-52, (1971), T. Miettinen, et al. "Bile Acids, Sterols, Sterol Esters, Glycosides and Fatty Acids in Mucosa and Oil Phases of Intestinal Contents During Fat Digestion in Man"	
		Journal of Lipid Research, Vol. 20, pp. 648-653, (1979), A. Hassan, et al. "Intestinal Absorption and Lymphatic Transport of Cholesterol and β -Sitosterol in the Rat"	
		Journal of Organic Chemistry, Vol. 25, pp. 1209-1219, (1960), A. Kuksis, et al. "Preparation and Certain Physical Properties of Some Plant Steryl Esters"	
		Synthetic Communications, Vol. 18, pp. 1423-1430, (1985), M. Serca, et al. "A Convenient Method of Esterification of Fatty Acids, Preparation of Alkyl Esters, Sterol Esters, Wax Esters and Triacylglycerols"	
		Lipids, Vol. 12, pp. 242-244, (1977), A. Probsthuesel "A Simple Method for the Preparation of Cholesterol Esters"	
		Chemistry and Physics of Lipids, Vol. 15, pp. 216-221, (1975), S. Lento, et al. "A Simple Method for the Synthesis of Cholesterol Esters in High Yield"	
		Organic Preparations and Procedures, Vol. 1(2), pp. 107-109, (1969), R. Augustina, et al. "The Palladium Catalyzed Hydrogenation of Cholesterol"	
		Journal of American Oil Chemists' Society, Vol. 55, pp. 796-803, (1978), B. Sreenivasan "Interesterification of Fats"	
<u>Y</u>		Journal of American Oil Chemists' Society, Vol. 60, pp. 915-918, (1983), Y. Lu, et al. "Physical and Chemical Properties of Randomly Interestified Blends of Soybean Oil and Tallow for Use as Margarine Oils"	

Examiner Signature	<u>Corr</u>	Date Considered	<u>3/88</u>
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1448/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	div. of 097719-030 10/0787/35
				Filing Date	
				First Named Inventor	Tatu Meitinen
				Gross Art Unit	
				Examiner Name	
Sheet	3	of	15	Attorney Docket Number	019075-00058

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T ¹
2		Circulation, Vol. 7, pp. 702-706, (May 1953), O. Polak "Reduction of Blood Cholesterol in Man"	
		Proc. Soc. Exp. Biol. Med., Vol. 78, pp. 143-147, (1951), O. Peterson "Effect of Soybean Sterols in the Diet on Plasma and Liver Cholesterol in Chick"	
		Circulation, Vol. 7, pp. 696-701, (May 1953), O. Polak "Successful Prevention of Experimental Hypercholesterolemia and Cholesterol Atherosclerosis in the Rabbit"	
		Circulation, Vol. 17, pp. 890-899, (May 1958), J. Farquhar, et al. "Response of Serum Lipids and Lipoproteins of Man to Beta-Sitosterol and Safflower Oil"	
		Journal of Lipid Research, Vol. 10, pp. 304-315, (1969), S. Grundy, et al. "The Interaction of Cholesterol Absorption and Cholesterol Synthesis in Man"	
		Deutsche Medizinische Wochenschrift, Vol. 101, pp. 1308-1311, (September 1976), P. Oster, et al. "Störungen des Familiären Hypercholesterolemie Typ II"	
		Atherosclerosis, Vol. 28, pp. 325-338, (1977), A. Lees, et al. "Plant Sterols as Cholesterol-Lowering Agents: Clinical Trials in Patients with Hypercholesterolemia and Studies of Sterol Balance"	
		Münch. Medizinische Wochenschrift, Vol. 120, pp. 1575-1578, (1969), W. Schwandtkeff, et al. "Dosiswirksamkeit von μ -Sitosterin bei Hypercholesterolemie der Typen Ia und Ib"	
		The American Journal of Clinical Nutrition, Vol. 43, pp. 92-97, (January 1986), R. Tivis, et al. "Serum Plant Sterols and Their Relation to Cholesterol Absorption"	
		American Journal of Epidemiology, Vol. 131, No. 1, pp. 20-31, (1990), T. Meitinen, et al. "Serum Plant Sterols and Cholesterol Precursors Reflect Cholesterol Absorption and Synthesis in Volunteers of a Randomly Selected Male Population"	
2		Scand. Journal Clin. Lab. Invest., Vol. 48, pp. 715-722, (1988), M. Färkkilä, et al. "Regulation of Plasma Plant Sterol Levels in Patients with Gut Resections"	

Examiner Signature	<i>Corr</i>	Date Considered	7/85
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4458/PTO Rev. 10/85		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	div. of 10,679,138 10,679,138
				Filing Date	
				First Named Inventor	Taku Mochizuki
				Group Art Unit	
				Examiner Name	
Sheet	4	of	15	Afternoon Docket Number	019075-00058

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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Lp		Chemical Abstracts, Vol. 115, No. 1, (1991), T. Heinemann, et al. Mechanisms of Action of Plant Sterols on Inhibition of Cholesterol Absorption: Comparison of Sitosterol and Stigmasterol	
		Chemical Abstracts, Vol. 112, No. 7, (1990), I. Ikeda, et al. Effects of Sitosterol and Stigmasterol and Molecular Structure of Cholesterol	
		Chemical Abstracts, Vol. 112, No. 7, (1990), T. Heinemann, et al. Comparison of Sitosterol and Stigmasterol on Inhibition of Intestinal Cholesterol Absorption	
		Chemical Abstracts, Vol. 95, No. 13, (1991), I. Ikeda, et al. Antihypercholesterolemic Activity of β -Sitosterol in Rabbits	
		Chemical Abstracts, Vol. 68, No. 3, (1978), M. Sugano, et al. A Comparison of Hypocholesterolemic Activity of β -Sitosterol and β -Stigmasterol in Rats	
		Chemical Abstracts, Vol. 71, No. 1, (1969), T. Tsuchiya Sitosterol Fatty Acid Ester	
		International Search Report, dated 12/11/91.	
		International Preliminary Exam Report, dated 08/04/93.	
		Copy of Written Opinion from International Preliminary Exam Authority, dated 04/14/93.	

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LIST OF PRIOR ART CITED BY APPLICANT

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Application Number

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Tatu Medhian

Group Art Unit

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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O		Lipoprotein Metabolism, pp. 112-118, (1976), (Ed. H. Grotan Berlin, Heidelberg, New York: Springer-Verlag), S. Grundy, et al. "Effects of Low Dose Phytosterols on Cholesterol Absorption in Man"	
		Atherosclerosis, Vol. 23, pp. 239-248, (1978), B. Kuchochkar, et al. "Effects of Plant Sterols on Cholesterol Metabolism in Man"	
		Journal of Lipid Research, Vol. 29, pp. 1573-1582, (1988), I. Ikeda, et al. "Inhibition of Cholesterol Absorption in Rats by Plant Sterols"	
		Journal of Lipid Research, Vol. 29, pp. 1583-1591, (1988), I. Ikeda, et al. "Discrimination between Cholesterol and Sitosterol for Absorption in Rats"	
		J. Nutr. Sci. Vitaminol, Vol. 35, pp. 361-369, (1989), I. Ikeda, et al. "Effects of Sitosterol and Sitosterol on micellar Solubility of Cholesterol"	
		Atherosclerosis, Vol. 30, pp. 227-237, (1978), I. Ikeda, et al. "Comparison of Absorption and metabolism of β -Sitosterol and β -Sitosterol in Rats"	
		J. Nutr., Vol. 107, pp. 2011-2019, (1977), M. Sugano, et al. "A Comparison of Hypocholesteremic Activity of β -Sitosterol and β -Sitosterol in Rats"	
		Atherosclerosis, Vol. 61, pp. 219-223, (1986), T. Heinemann, et al. "Effect of Low-Dose Sitosterol on Serum Cholesterol in Patients with Hypercholesterolemia"	
		Lipoprotein Metabolism, pp. 119-124, (1976), (Ed. H. Grotan, Berlin, Heidelberg, New York: Springer-Verlag), R. Lees, et al. "Effects of Sitosterol Therapy on Plasma Lipid and Lipoprotein Concentrations"	
	J. Nutr., Vol. 107, pp. 1139-1148, (1977), F. Mattson, et al. "Effect of Plant Sterol Esters on the Absorption of Dietary Cholesterol"		
	Agents Actions (Suppl.), Vol. 28, pp. 117-122, (1988), T. Heinemann, et al. "Comparison of Sitosterol and Sitosterol on Inhibition of Intestinal Cholesterol Absorption"		

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LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)		Application Number		Div. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 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4488/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)		Application Number		7,000,000 09/713,030 <i>10/1670,135</i>	
		Filing Date			
		First Named Inventor		beto Miettinen	
		Group Art Unit			
		Examiner Name			
Sheet	7	of	15	Attorney/Doctord Number	019075-00058

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, citation, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T
<i>[Handwritten]</i>		European Journal of Clinical Pharmacology, Vol. 40 (Suppl.), pp. 559-563, (1991), T. Heinemann, et al. "Mechanisms of Action of Plant Sterols on Inhibition of Cholesterol Absorption"	
		The American Journal of Clinical Nutrition, Vol. 35, pp. 697-700, (1982), F. Mattson, et al. "Optimizing the Effect of Plant Sterols on Cholesterol Absorption in Man"	
		J. Clin. Invest., Vol. 80, pp. 578-581, (August 1987), Y. Kesäniemi, et al. "Intestinal Cholesterol Absorption Efficiency in Man is Related to Apolipoprotein E Phenotype"	
		Annals of Clinical Research, Vol. 20, pp. 28-31, (1988), Y. Kesäniemi, et al. "Metabolic Epidemiology of Plasma Cholesterol"	
		Journal of Lipid Research, Vol. 27, pp. 227-233, (1986), C. Ehnholm, et al. "Apolipoprotein E Polymorphism in the Finnish Population: Gene Frequencies and Relation to Lipoprotein Concentrations"	
		The Lancet, Vol. 2, pp. 1281, (November 1988), T. Miettinen, et al. "Serum Cholesterol Response to Dietary Cholesterol and Apolipoprotein E Phenotype"	
		N.Y. Academy of Sciences, Vol. 2, pp. 129-134, (1955), G. Gould "Absorbability of Beta-Sitosterol"	
		Metabolism, Vol. 18, pp. 652-662, (1969), G. Gould, et al. "Absorbability of Beta-Sitosterol in Humans"	
		The Journal of Clinical Investigation, Vol. 49, pp. 952-967, (1970), G. Salen, et al. "Metabolism of β -Sitosterol in Man"	
		Journal of Lipid Research, Vol. 26, pp. 203-209, (1985), G. Salen, et al. "Increased Plasma Cholesterol and 5 α -Saturated Plant Sterol Derivatives in Subjects with Sitosterolemia and Xanthomatosis"	
<i>[Handwritten]</i>		Journal of Lipid Research, Vol. 30, pp. 1319-1330, (1989), G. Salen, et al. "Increased Sitosterol Absorption, Decreased Removal, and Expanded Body Pools Compensate for Reduced Cholesterol Synthesis in Sitosterolemia with Xanthomatosis"	

Examiner Signature	<i>[Handwritten Signature]</i>	Date Considered	<i>[Handwritten Date]</i>
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LIST OF PRIOR ART CITED BY APPLICANT

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Application Number

FF-097713,090 10/678,135

Filing Date

First Named Inventor

Tatu Mattinen

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019975-00058

Sheet

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of

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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29		Journal of American Oil Chemists' Society, Vol. 54, pp. 47-50, (1977), D. Chobanov, et al. "Alterations in Glyceride Composition During Interesterification of Mixtures of Sunflower Oil with Lard and Tallow"	
		"Thermodynamic and Molecular Determinants of Sterol Solubilities in Oleo Salt Mixtures", Vol. 28, pp. 1144-1155, (1987), M. Armstrong, et al.	
		Pediatric Pharmacology and Therapeutics, Vol. 122, No. 2, pp. 232-236, (1993), M. Becker, MD., et al. "Treatment of Severe Familial Hypercholesterolemia in Childhood with Simvastatin and Simvastatin"	
		Papers and Notes on methodology, Vol. 32, pp. 1881-1887, (1991), J. Chubayra, et al. "A Simplified Micro-Method for Quantification of Fecal Excretion of Neutral and Acidic Sterols for Outpatient Studies in Humans"	
		Steroids, Vol. 40, No. 2, pp. 233-243, (1982), b. Dayal, et al. "Identification of 5 α -Steroids in Patients with Steroidemia and Xanthomatosis: Stereochemistry of the Protonolysis of Steroidal Organoborates"	
		J. Sci. Food Agric., Vol. 71, pp. 383-391, (1996), P. Duta, et al. "Saturated Sterols (Sterols) in Unhydrogenated and Hydrogenated Edible Vegetable Oils and in Cereal Lipids"	
		Treatment of Severe Dyslipoproteinemia in the Prevention of Coronary Heart Disease, Vol. 4, pp. 57-59, (1993) H. Gylling, et al. "Serum Cholesterol Lowering by Dietary Stigmasterol is Associated with Reduced Absorption and Synthesis of Cholesterol and Decreased Transport of LDL Apoprotein B in Man with Type II Diabetes"	
		Diabetologia, Vol. 37, pp. 773-780, (1994), H. Gylling et al. "Serum Cholesterol and Cholesterol and Lipoprotein Metabolism in Hypercholesterolemic NIDDM Patients Before and During Stigmasterol Ester-Margarine Treatment"	
		Journal of Lipid Research, Vol. 38, pp. 1807-1812, (1995), H. Gylling et al. "Stigmasterol ester Margarine in Dietary Treatment of Children with Familial Hypercholesterolemia"	
		European Journal of Clinical Investigation, Vol. 23, pp. 827-831, T. Heinemann, et al. "Comparison of Intestinal Absorption of Cholesterol with Different Plant Sterols in Man"	
		J. Nutr. Sci. Vitaminol, Vol. 27, pp. 243, 252, (1981), I. Ikeda et al. "Antihypercholesterolemic Activity of β -Sitosterol in Rabbits"	

Examiner Signature	<i>Caru</i>	Date Considered	<i>2/08</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.

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Sheet 9 of 15

029075-00058

SERIAL N 12/675/35

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LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

MIETTENEN et al.

FILING DATE

GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AM	POLLAK, O.J., "Effect of Plant Sterols on Serum Lipids and Atherosclerosis", Pharmac. Ther. Vol. 31, pp. 177 to 208, 1985.
	AN	JIMÉNEZ DE BLAS, et al., "Determination of Sterols by Capillary Column Gas Chromatography. Differentiation Among Different Types of Olive Oil: Virgin, Refined, and Solvent-Extracted" JAOCS, Vol. 73, no. 12, pp. 1685-1689 (1996).
	AO	DEUEL, JR., "The Lipids - Their Chemistry and Biochemistry", Vol. I: Chemistry, 1951, Interscience Publishers, Inc., N.Y.
1	AP	SCHUHMANN et al., "METHODS FOR QUALITATIVE AND QUANTITATIVE DETERMINATION OF PHYTOSTEROLS IN VEGETABLE OILS BY LC-GC OFF-LINE", Mitt. Gebiete Lebensm. Hyg. vol. 87, pp. 708-715 (1996).

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DATE CONSIDERED

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*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 10 of 15

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 019075-00058	SERIAL NO. <u>19075</u> OF <u>135</u> 019075-00058
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT	
		MIETTINEN, et al.	
		FILING DATE Herewith	GROUP unknown

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

↑	BA	KOBAYASHI et al., Translation of JP 57-206336 (1982).
	BB	PETERSON et al., "Depression of plasma cholesterol in human subjects consuming butter containing soy sterols", Fed. Proc., 1956, Vol. 15, Page 569.
	BC	VANHANEN et al., "Effects of unsaturated and saturated dietary plant sterols on their serum contents", Clinica Chimica Acta, Vol. 205, 1992, Pages 97-107.
	BD	VANHANEN et al., "Serum cholesterol, cholesterol precursors, and plant sterols in hypercholesterolemic subjects with different apoE phenotypes during dietary sitostanol ester treatment", Journal of Lipid Research, Vol. 34, 1993, Pages 1535-1544.
	BE	Preliminary Opinion prepared by the Opposition Division in European Patent No. 0 594,612 (granted on Application No. 91908435.0), December 17, 1999, pages 1-7.
	BF	Main Request - May 4, 1999 filed in the European Patent Office in European Patent No. 0 594 612 (granted on Application No. 91908435.0)
	BG	Summons to Attend Oral Proceedings European Patent No. 0 594 612 (granted on Application No. 91908435.0), March 21, 2001.
	BH	MATTSON et al., "Effect of an aqueous phase on the solubility of cholesterol in an oil phase", J. of Lipid Research, Vol. 18, pages 203-210, 1977.
	BI	Studies with stanol fatty acid esters, 5 pages
	BJ	WESTSTRATE et al., "Plant sterol-enriched margarines and reduction of plasma total-and LDL-cholesterol concentrations in normocholesterolaemic and mildly hypercholesterolaemic subjects", European J. Clin. Nutr., Vol. 52, pages 334-343, 1998.
	BK	Opposed patent as filed in Finnish; Title: A substance for lowering high cholesterol level in serum and a method for preparing the same"; Inventors: MIETTINEN et al.
↑	BL	Norm NEN 3428
	BM	

EXAMINER <u>Car</u>	DATE CONSIDERED <u>3/20</u>
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PATENT AND TRADEMARK OFFICE

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097743,030

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

MIETTINEN, et al.

FILING DATE

Herewith

GROUP

unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
Op	AA	5,244,887	09/1993	STRAUB			
	AB	4,160,850	07/1979	HALLSTROM et al.			
	AC	1,413,102	11/1975	JANDACEK			
A	AD	3,852,311	12/1974	NICHOLAS et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO PART.		
	AE	WO 98/06405	02/1998	PCT					
	AF	WO 96/38047	12/1996	PCT					
	AG	567,202	12/1958	CANADA					
	AH	WO 92/19640	11/1992	PCT					
	AI	967616	09/1996	ZA					
	AJ	WO 97/42830	11/1997	PCT					
	AK								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Opposition in corresponding Australian Patent Application Serial No. 736020.
	AM	SUGIYAMA et al., Translation of JP 61-15647 (1986).
	AN	PETERSON et al., "Dietary Constituents Affecting Plasma and Liver Cholesterol in cholesterol-Fed Chicks", Journal of Nutrition, 1953, Vol. 50, Pages 191-201.
	AO	Patent Abstract of Japan, Publication No. 09132512, Published May 20, 1997
	AP	GUNSTONE et al., "Lipids in Foods Chemistry, Biochemistry and Technology", Pergamon Press, New York, pages 147-155.
	AQ	MIETTINEN et al., "Reduction of Serum Cholesterol With Sitostanol-Ester Margarine In A Mildly Hypercholesterolemic Population", The New England Journal of Medicine, Vol. 333, pages 1308-1312, November 1995.
	AR	GYLLING et al., "Serum cholesterol and cholesterol and lipoprotein metabolism in hypercholesterolaemic NIDDM patients before and during sitostanol ester-margarine treatment", Diabetologia, Vol. 37, pages 773-780, 1994.

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DATE CONSIDERED

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 12 of 15



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 019075-00058	SERIAL NO. 12/879,135 Div of 09743,930
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT MIETTINEN et al.	
		FILING DATE Herewith	GROUP unknown

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO PART		
dy	AG	EP 0 898 896 A1	03/1999	EPO					
A	AH	0 203 277 A2	12/1986	EPO					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AM	Appeal against Decision of Opposition Division filed in the EPO on February 21, 2002 including Main Request, Opponent's schematic representation of sitosterol and sitostanol and Proprietor's schematic representation of sitostanol, sitosterol and cholesterol.
	AN	Denke, "Lack of efficacy of low-dose sitostanol therapy as an adjunct to a cholesterol-lowering diet in men with moderate hypercholesterolemia", American Journal of Clinical Nutrition, 1995, vol. 61, pages 392-396.
	AO	Swell et al., "Sterol Specificity of Pancreatic Cholesterol Esterase", Proc. Soc. Exp. Biol. Med., 1954, vol. 87, pages 216-218.
		Vahouny et al., "Absolute Requirement for Free Sterol for Absorption by Rat Intestinal Mucosa", Proc. Soc. Exp. Biol. Med., 1964, vol. 116, pages 496-498.
		Tavani et al., "The sterol substrate specificity of acyl CoA: cholesterol acyltransferase from rat liver", Journal of Lipid Research, 1982, vol. 23, pages 774-781.
		Hendriks, et al., "Spreads enriched with three different levels of vegetable oil sterols and the degree of cholesterol lowering in normocholesterolaemic and mildly hypercholesterolaemic subjects", European Journal of Clinical Nutrition, 1999, vol. 53, pages 319-327.
8		Kondo et al., "Isolation of Ovulatory-Active Substances from Crops of Job's Tears", Chem. Pharm. Bull., 1988, vol. 36(8), pages 3147-3152.

EXAMINER 	DATE CONSIDERED 
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

019075-00058

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10/68, 105
Div. of 007713,030

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

MIETTINEN et al.

FILING DATE

Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
3	AA	5,502,045	3-1996	Miettinen et al.			
	AB	5,958,913	9-1999	Miettinen et al.			
	AC	6,174,560	1-2001	Miettinen et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO PART.		
3	AD	EP 0 911 385 A1		EP					
	AE	JP-44-4974	2/28/44	Japan					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

np	AF	Page 2 of the Written Opinion of WO 92/19640
	AG	Page 2 of the International Preliminary Examination Report of WO 92/19640
	AH	Declaration by Ilkka Etupahtta
	AI	Serum Plant Sterols and Cholesterol Precursors Reflect Cholesterol Absorption and Synthesis in Volunteers of a Randomly Selected Male Population, Miettinen et al., Am. J. Epidemi., vol. 131, no. 1:20-31, 1990
	AJ	Fate of Dietary Sterols in Hydrogenated Oils and Fats, P.W. Parodi, J.Am. Oil Chem. Soc., Vol. 52:345-348, 1975
	AK	Saturated Sterols (Stanols) in Unhydrogenated and Hydrogenated Edible Vegetable Oils and in Cereal Lipids, Dutta et al., J. Sci. Food Agric., Vol. 71:383-391, 1996
	AL	Method for Qualitative and Quantitative Determination of Phytosterols in Vegetable Iols by LC-GC off-line, Schuhmann et al., Mitt. Gebiete Lebensm. Hyg., Vol. 87:708-715, 1996
	AM	Sitostanol fatty acid ester content of hydrogenated rapeseed oil, Dr. Dutta's hydrogenation results
	AN	Formation of Sitostanol During Partial and Full Hydrogenation of Vegetable Soybean Oil with Ni-Catalyst, Raisio Benecol Ltd's hydrogenation results

EXAMINER

DATE CONSIDERED

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ATTY. DOCKET NO.

019075-00058

SERIAL NO.

10/278,135
Div. of 00/642,188

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

MIETTINEN et al.

FILING DATE

October 14, 2002

GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AO	<i>Comparison of the effects of plant sterol ester and plant stanol ester-enriched margarines in lowering serum cholesterol concentrations in hypercholesterolaemic subjects on a low-fat diet</i>
	AP	<i>Effects of Low-Fat Yogurt with Plant Stanol Esters and of Consumption Frequency on LDL-Cholesterol Levels, J. Plat et al., Summary of Presentation at 92nd AOCS Annual Meeting and Expo, May 13-16, 2001, Minneapolis, Minnesota, USA</i>
	AQ	Front page of WO 92/19640
	AR	PCT Applicant's Guide (Swedish Patent Office as ISA)
	AS	PCT Applicant's Guide (Swedish Patent Office as IPEA)
	AT	<i>Efficacy of spreads enriched with stanol-stearate esters on blood cholesterol levels, Annex I filed with the Opponent's further submissions of June 27, 2000</i>
	AU	<i>Stanol Components in Edible Fats and Oils, M. Sugano et al., Sci. Byull. Fac. Agr. Kyushu Univ., Vol. 32, no. 1:21-28, 1977</i>
	AV	<i>Ullmann's Encyclopedia of Industrial Chemistry, Vol. A16:152-153</i>
	AW	<i>Elintarvike-tekniikan Perusteet, M. Hiros et al., VAPK-kustannus, Helsinki, 1990, pages 236-241, and translation of passage bridging pages 240-241</i>
9	AX	<i>Hydrogenation of sterol esters. Demonstration of hydrogenation of sterol moiety, Annex II filed with the Opponent's further submission of June 27, 2000</i>

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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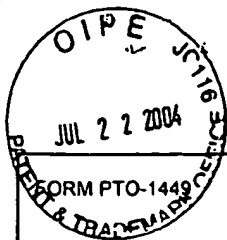
Sheet 15 of 15

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. D19075-00058	SERIAL NO. 101678, 135 Div. of 68/743,030
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT	
		Miettinen et al.	
		FILING DATE	GROUP
		Herewith	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AA	Opposition by Unilever N.V. (OPPO 01), European Patent Application No. 91 908 435.0 435.0-2117/594612, September 6, 2002.
	AB	RUDD et al., "Pancreatic carboxyl ester lipase (cholesterol esterase)", in Lipases, 1984, pages 185-204 (Ed. Rorgström)
	AC	Brockeroff et al, "Cholesterol Esterase", in Lipolytic Enzymes, pages 176-193.
	AD	Vanouny et al, "Micellar-Solubilized Substrates and Cholesterol Esterase Activity in Vitro", Archives of Biochemistry and Biophysics, 107, 7-15 (1964).
	AE	"The effect on cholesterol lowering caused by the difference in fatty acid profile of the stanol ester and control spread", Sept. 6, 2002.
	AF	Avart et al, "Substrate Specificity of Neutral Cholesterol Ester Hydrolase", Abstract, June 1985.
	AG	D54a, Sitosterol/Sitostanol models, pages 1-12, Sept. 6, 2002.
	AH	D49, b-sitosterol, Reference list for stanols, September 6, 2002.
N	AI	Department of Health and Human Services, "Food Labeling: Health Claims; Plant Sterol/Stanol Esters and Coronary Heart Disease; Interim Final Rule", Federal Register, Vol. 65, No. 175, September 2000.

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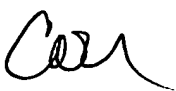

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
	019075-00062	10/678,135
	APPLICANT MIETTINEN, et al.	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	FILING DATE	GROUP
	October 6, 2003	1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	6,383,514 B1	05/2002	Weitkemper et al.			
	AB						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AM	MENSINK, et al., "Effect of Dietary Trans Fatty Acids on High Density and Low Density Lipoprotein Cholesterol Levels in Healthy Subjects," The New England Journal of Medicine, Vol. 323, No. 7, pages 439-445, August 1990.
	AN	PRANGE, et al., Poster at the XIIth International Symposium on Atherosclerosis, Stockholm, June 2000
	AO	GYLLING, et al., "Cholesterol Reduction by Different Plant Stanol Mixtures and With Variable Fat Intake," Metabolism, Vol. 48, No. 5, pages 575-580, 1999.
	AP	KRIS-ETHERTON, et al., "Individual Fatty Acids and Esterification Effects on Blood Lipids," Dairy Foods and Cardiovascular Health, Bulletin of the IDF 353, pages 26-30, 2001.
	AQ	MENSINK, et al., "Effect of Dietary Fatty Acids on Serum Lipids and Lipoproteins," Arteriosclerosis and Thrombosis, Vol. 12, No. 8, pages 911-915, August 1992.
	AR	KEYS, et al., "Serum Cholesterol Response to Changes in the Diet. IV. Particular Saturated Fatty Acids in the Diet," Metabolism, Vol. 14, No. 7, 1965.
	AS	AVART, S.J., "Substrate Specificity of Neutral Cholesterol Ester Hydrolase and Pancreatic Cholesterol Esterase," PhD Thesis of Drexel University, June 1985.
	AT	KUKSIS, et al., "Preparation and Certain Physical Properties of Some Plant Steryl Esters," Plant Steryl Esters, Vol. 25, pages 1209-1219, July 1960.
P	AU	BHATTACHARYYA, A.K., "Uptake and esterification of plant sterols by rat small intestine," American Journal of Physiology, Vol. 240 (Gastrointestinal Liver Physiology Vol. 3), pages G50-G55, 1981.
	AV	

EXAMINER 	DATE CONSIDERED 
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	